20hOTO"ET67E00T

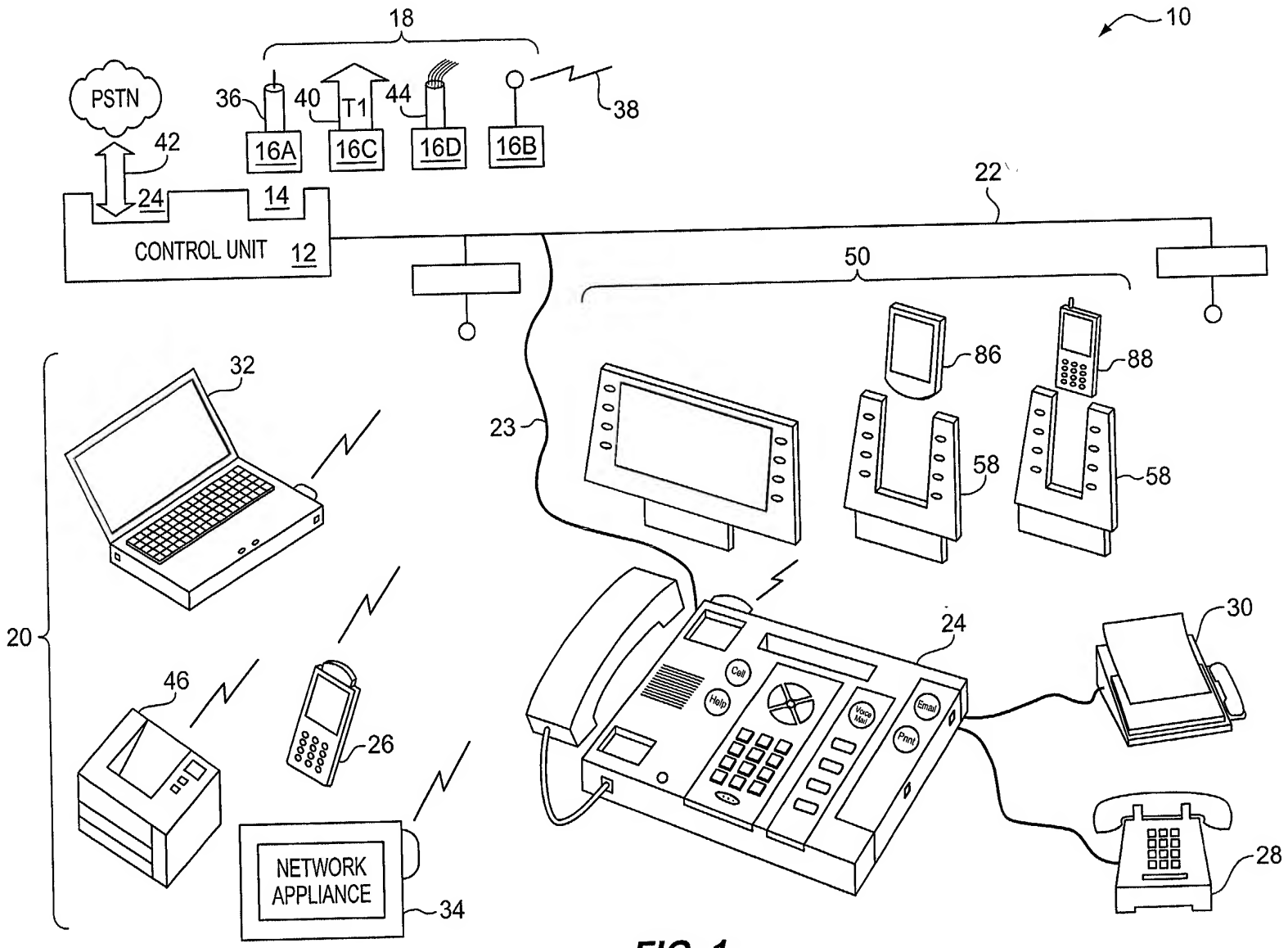


FIG. 1

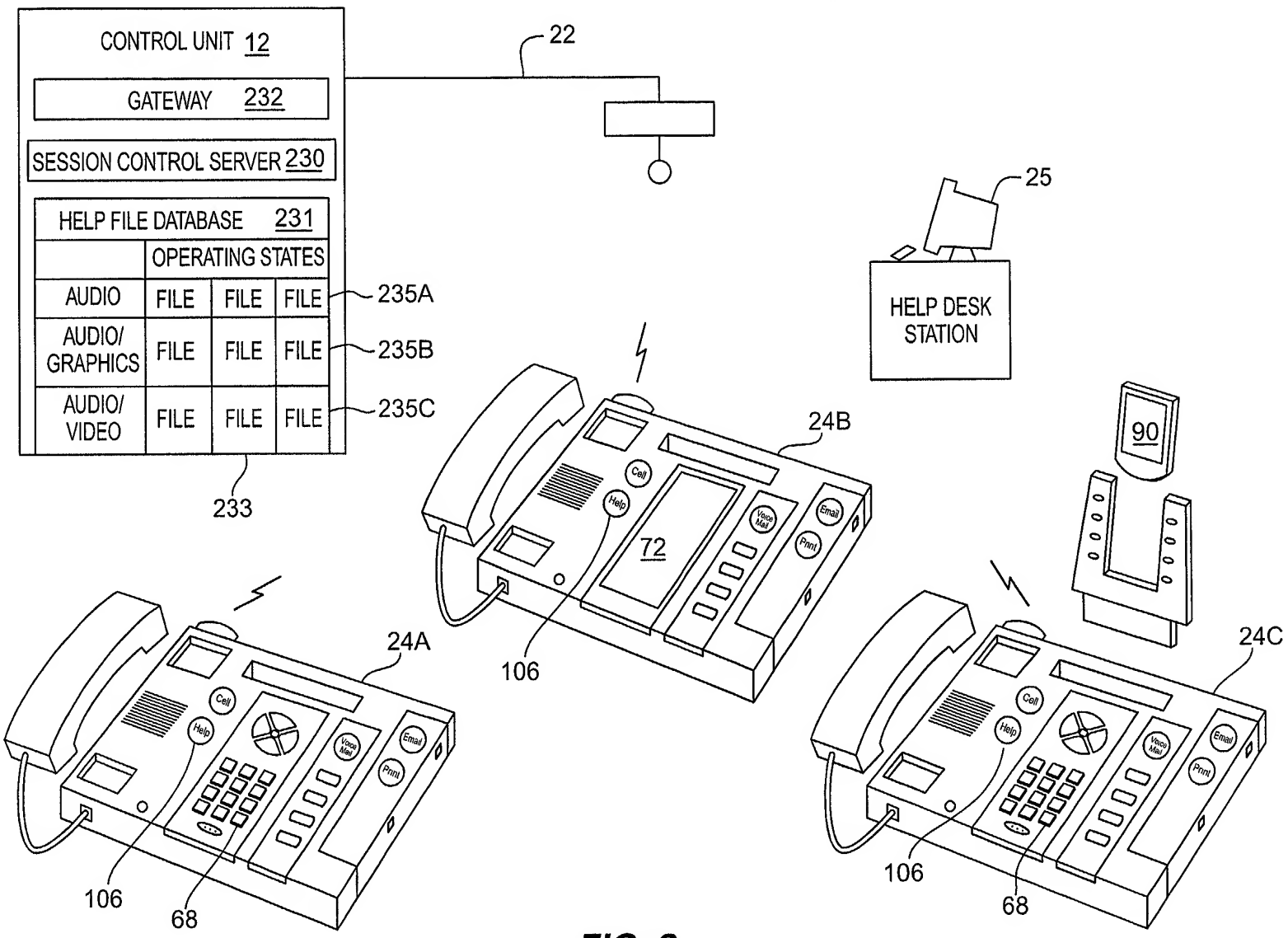

CONTROL UNIT 12
GATEWAY 232
SESSION CONTROL SERVER 230
HELP FILE DATABASE 231
OPERATING STATES
AUDIO
AUDIO/ GRAPHICS
AUDIO/ VIDEO
FILE
235A
235B
235C
233
22
25
HELP DESK STATION
24A
24B
24C
72
90
106
68
Cell
Help
Voice Mail
Email
Print

FIG. 2

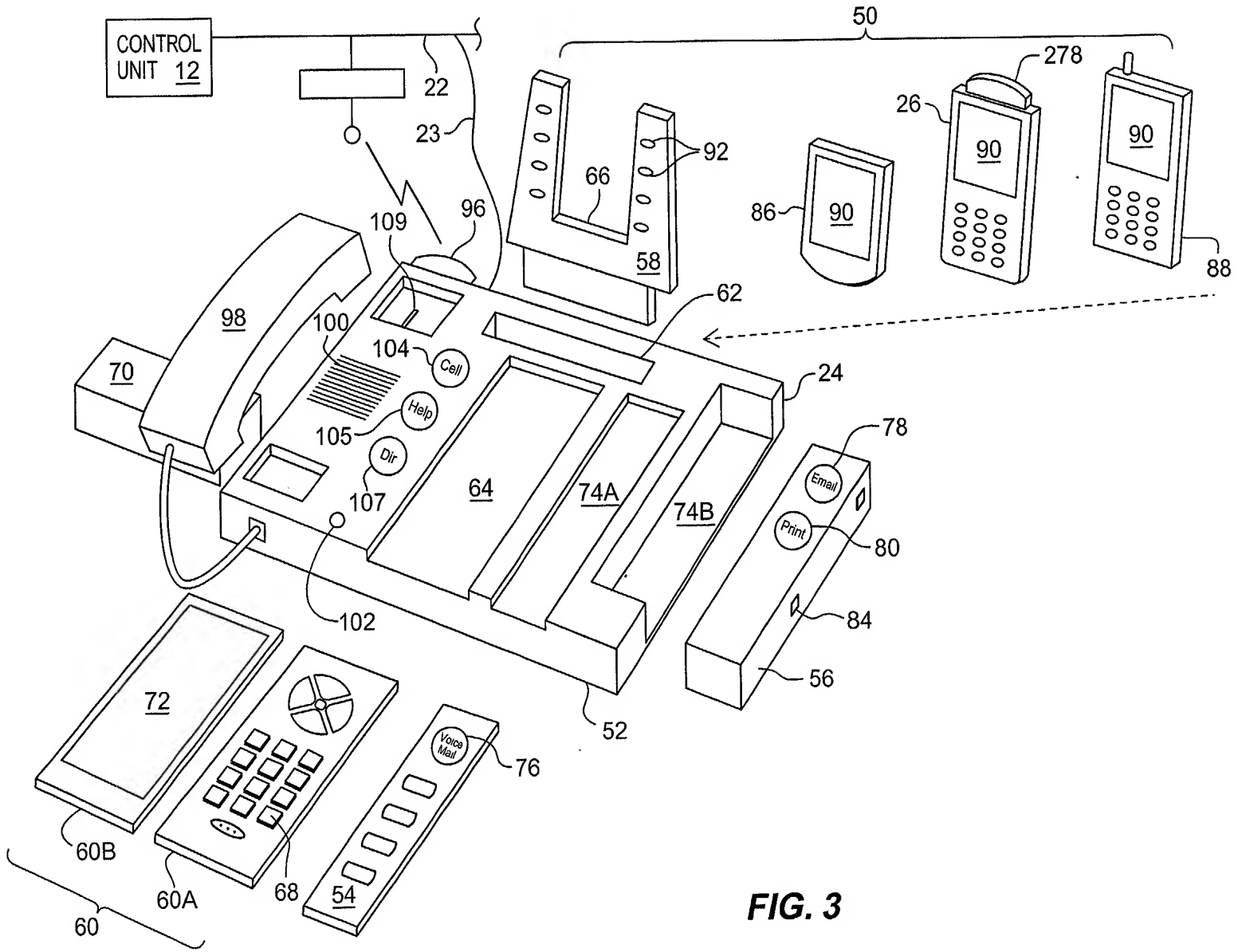

CONTROL UNIT 12
22
23
50
278
26
90
90
88
86
90
66
92
58
109
96
62
98
100
104
Cell
70
24
Help
105
Dir
107
64
74A
74B
78
Email
Print
80
84
56
102
52
72
Voice Mail
76
60B
60A
68
54
60

FIG. 3

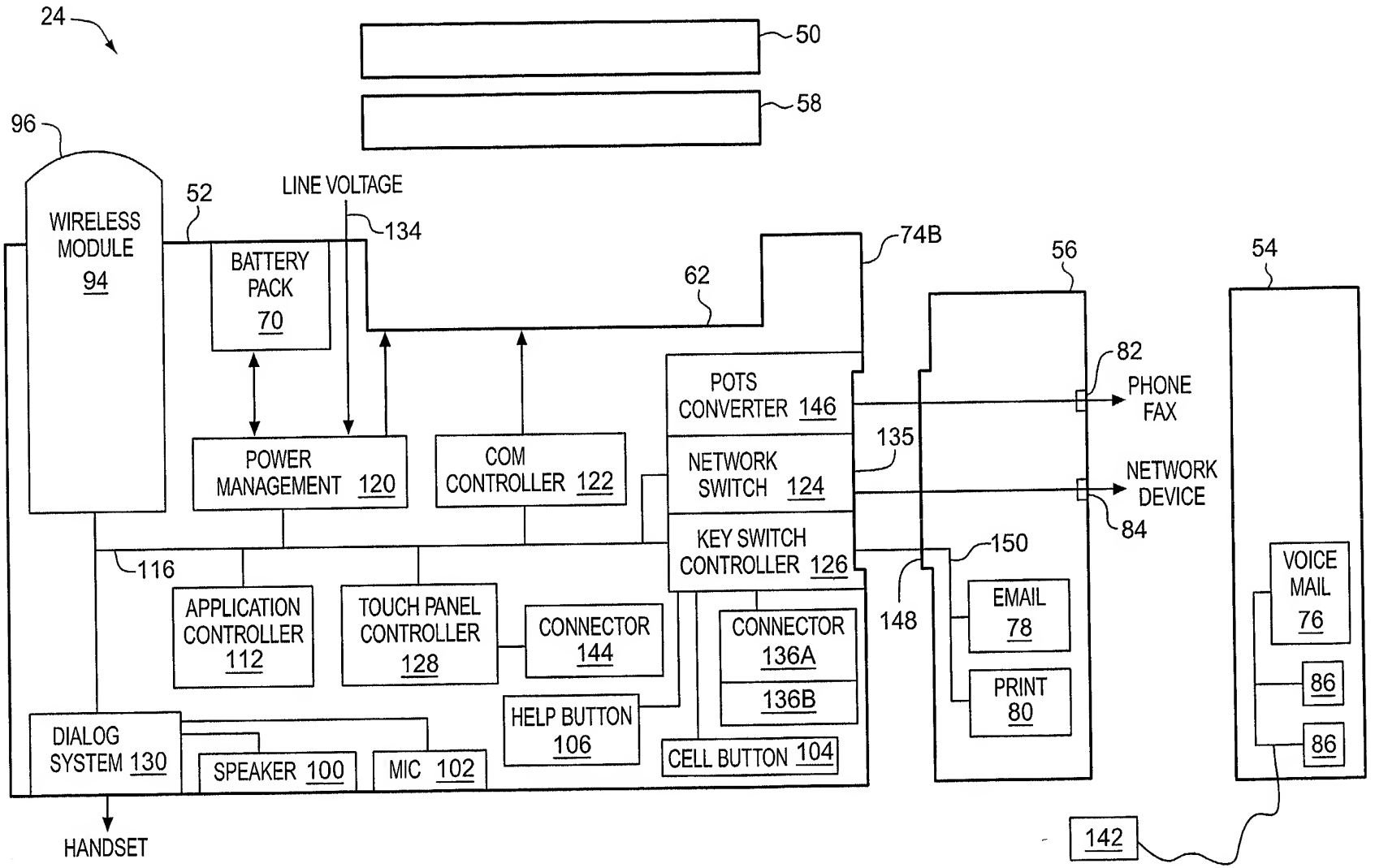

24
50
58
96
WIRELESS MODULE 94
52
LINE VOLTAGE
134
BATTERY PACK 70
62
74B
56
54
82
PHONE FAX
POTS CONVERTER 146
135
NETWORK SWITCH 124
NETWORK DEVICE
84
KEY SWITCH CONTROLLER 126
150
148
116
APPLICATION CONTROLLER 112
TOUCH PANEL CONTROLLER 128
CONNECTOR 144
CONNECTOR 136A
136B
EMAIL 78
PRINT 80
VOICE MAIL 76
86
86
HELP BUTTON 106
CELL BUTTON 104
DIALOG SYSTEM 130
SPEAKER 100
MIC 102
HANDSET
142
POWER MANAGEMENT 120
COM CONTROLLER 122

FIG. 4

20h0TD" ET6ZE00T

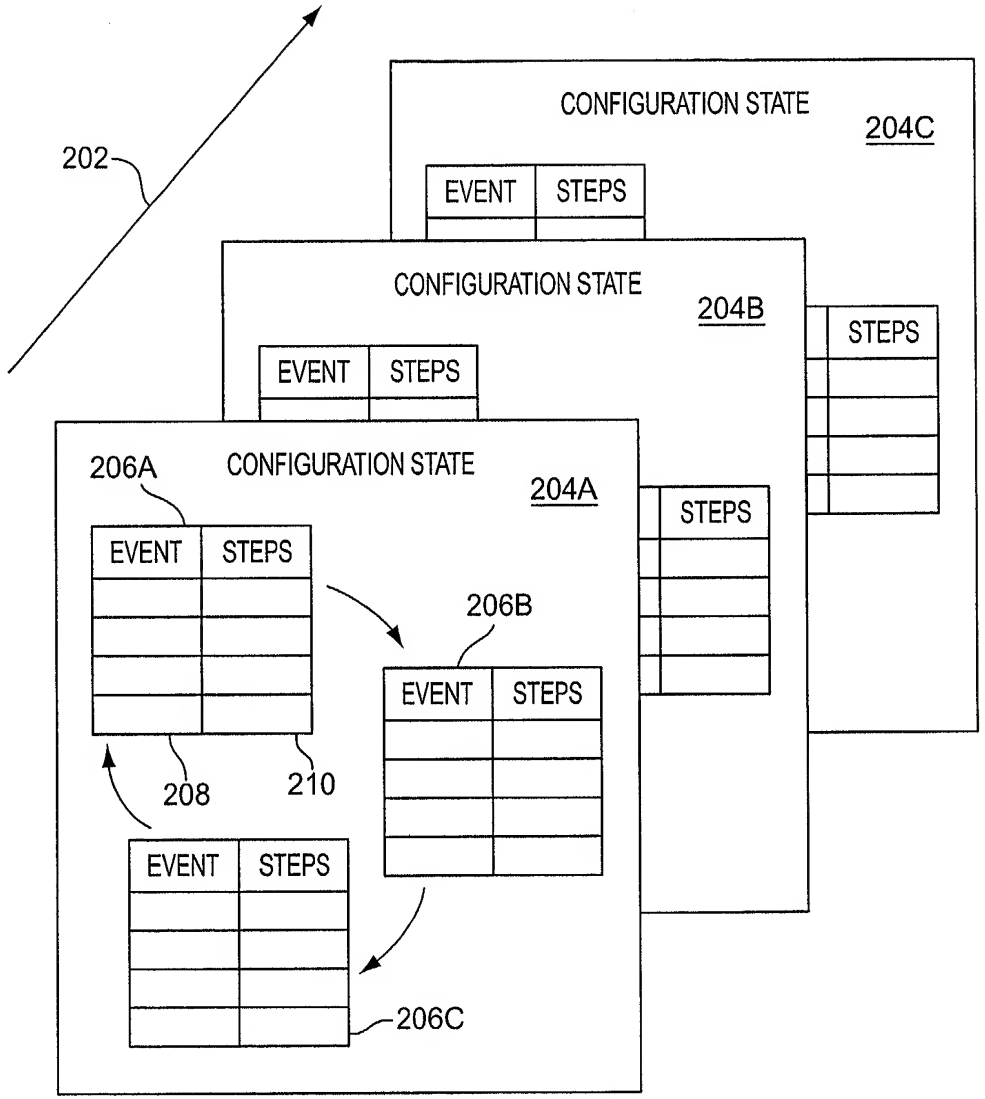
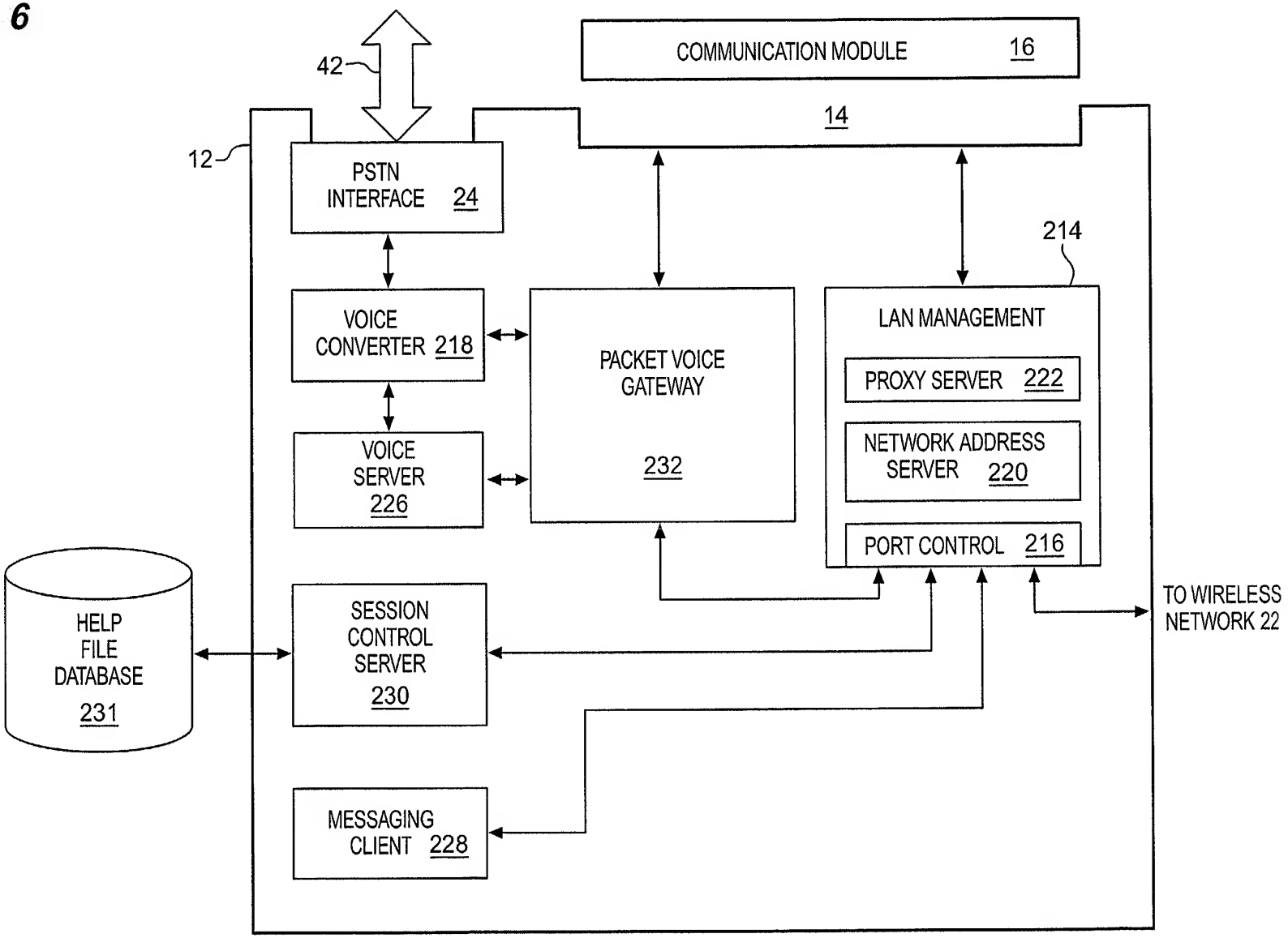


FIG. 5

20040D" ET6ZE00T

FIG. 6



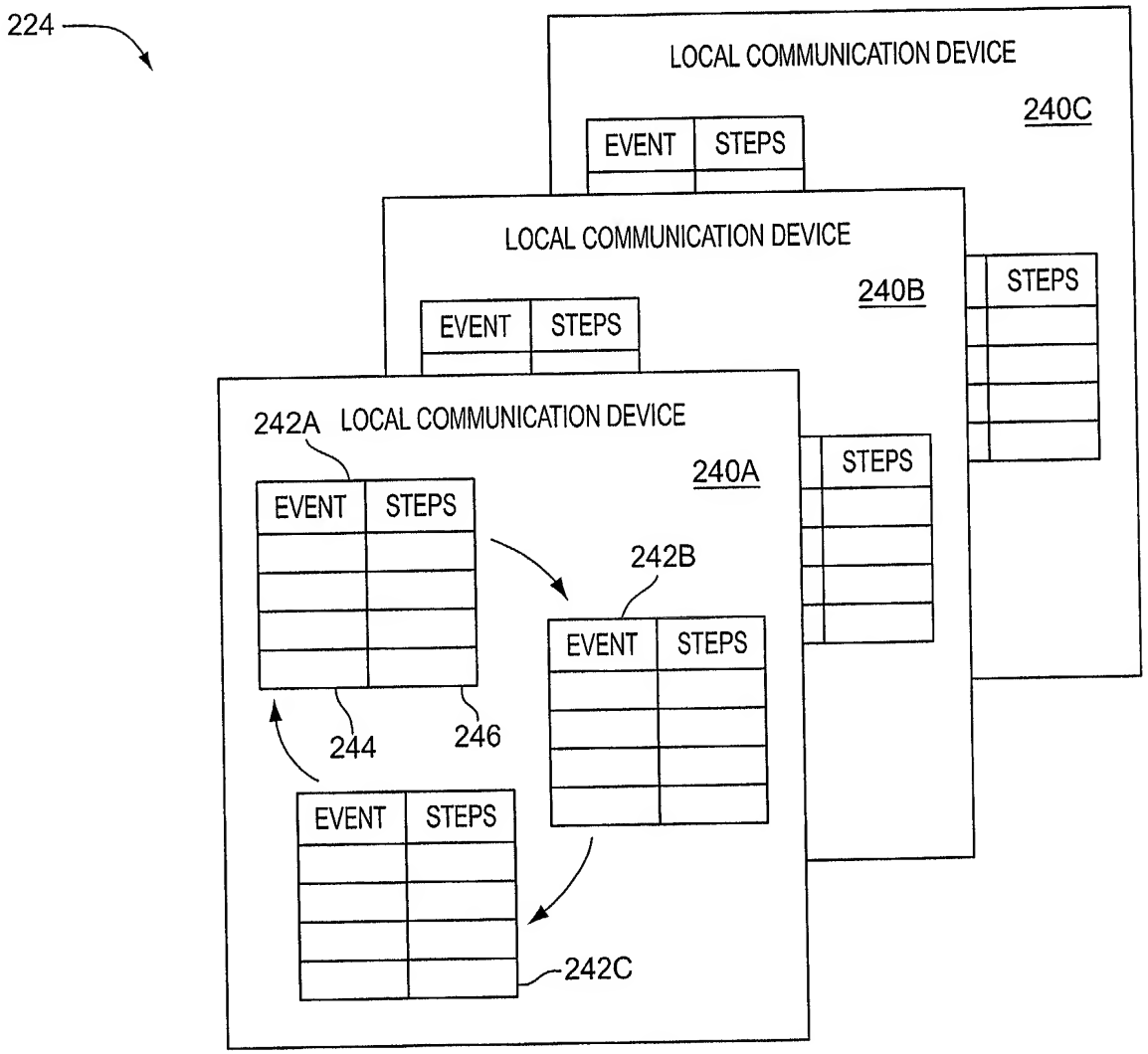

224
LOCAL COMMUNICATION DEVICE
240C
EVENT
STEPS
LOCAL COMMUNICATION DEVICE
240B
EVENT
STEPS
242A
LOCAL COMMUNICATION DEVICE
240A
EVENT
STEPS
242B
EVENT
STEPS
244
246
EVENT
STEPS
242C

FIG. 7

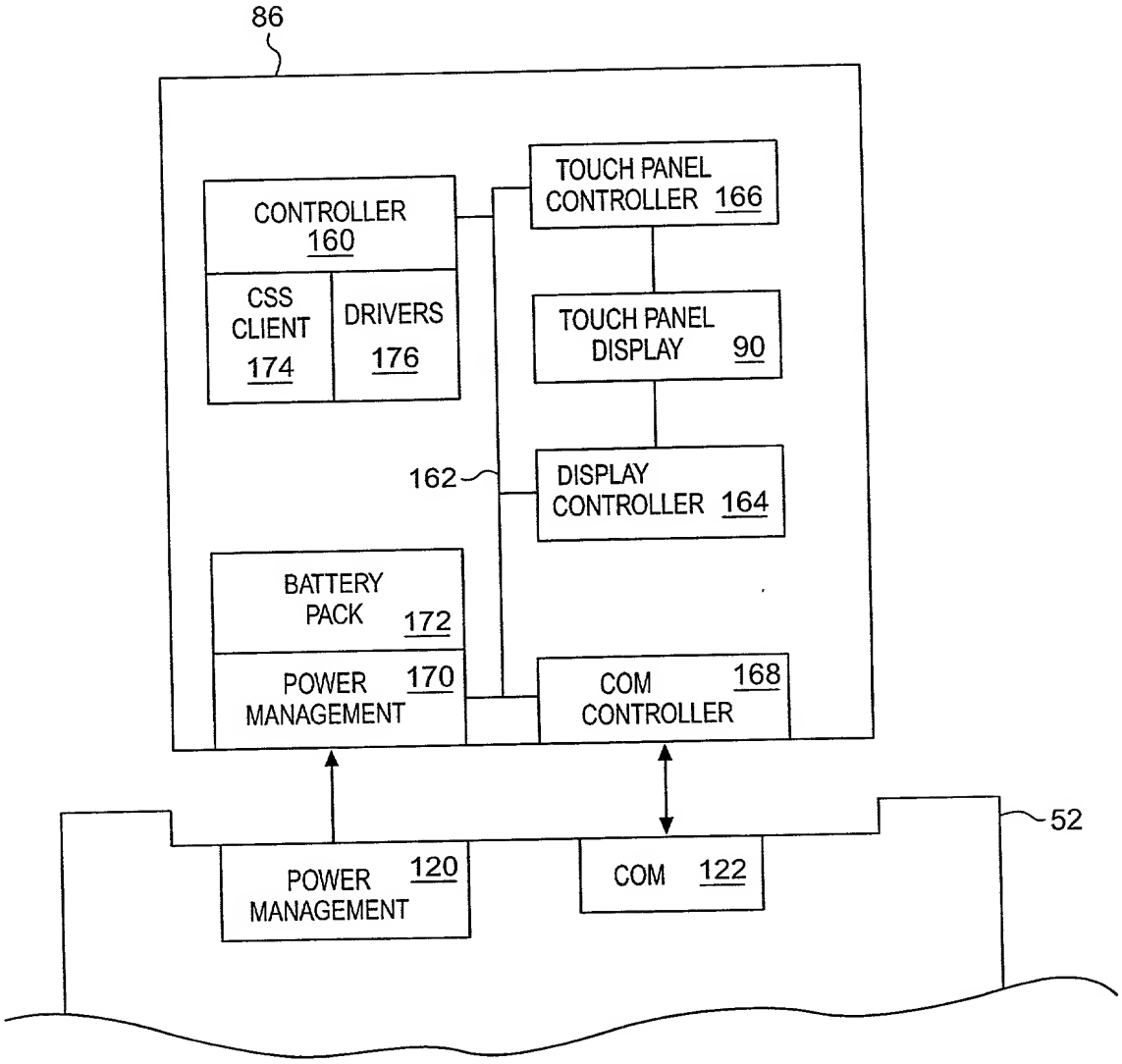

86
CONTROLLER 160
CSS CLIENT 174
DRIVERS 176
TOUCH PANEL CONTROLLER 166
TOUCH PANEL DISPLAY 90
162
DISPLAY CONTROLLER 164
BATTERY PACK 172
POWER MANAGEMENT 170
COM CONTROLLER 168
52
POWER MANAGEMENT 120
COM 122

FIG. 8

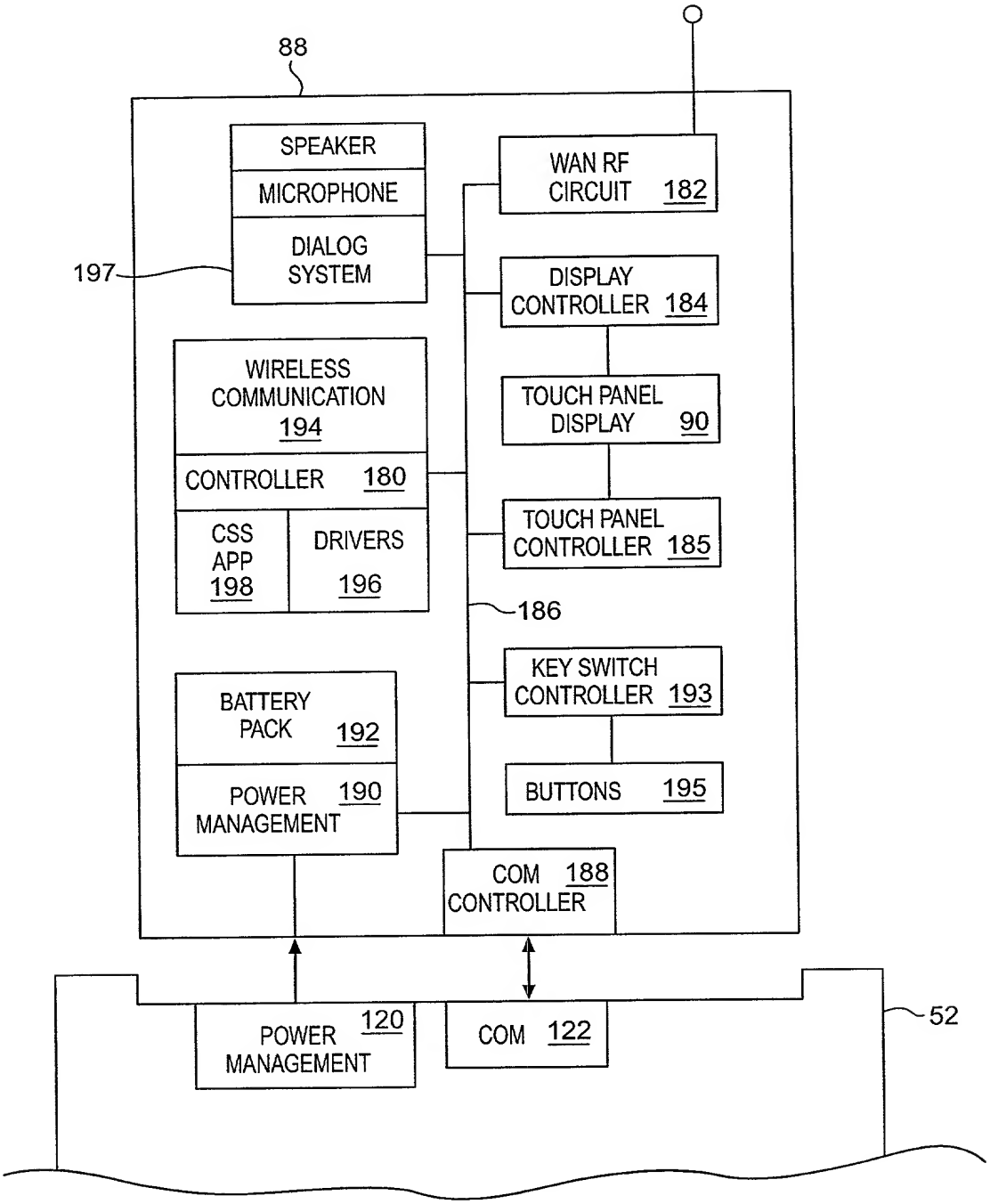

88
SPEAKER
MICROPHONE
DIALOG SYSTEM
197
WAN RF CIRCUIT 182
DISPLAY CONTROLLER 184
TOUCH PANEL DISPLAY 90
WIRELESS COMMUNICATION 194
CONTROLLER 180
CSS APP 198
DRIVERS 196
TOUCH PANEL CONTROLLER 185
186
KEY SWITCH CONTROLLER 193
BUTTONS 195
BATTERY PACK 192
POWER MANAGEMENT 190
COM 188 CONTROLLER
POWER MANAGEMENT 120
COM 122
52

FIG. 9

Apple Ex. 1024
IPR2015-00369

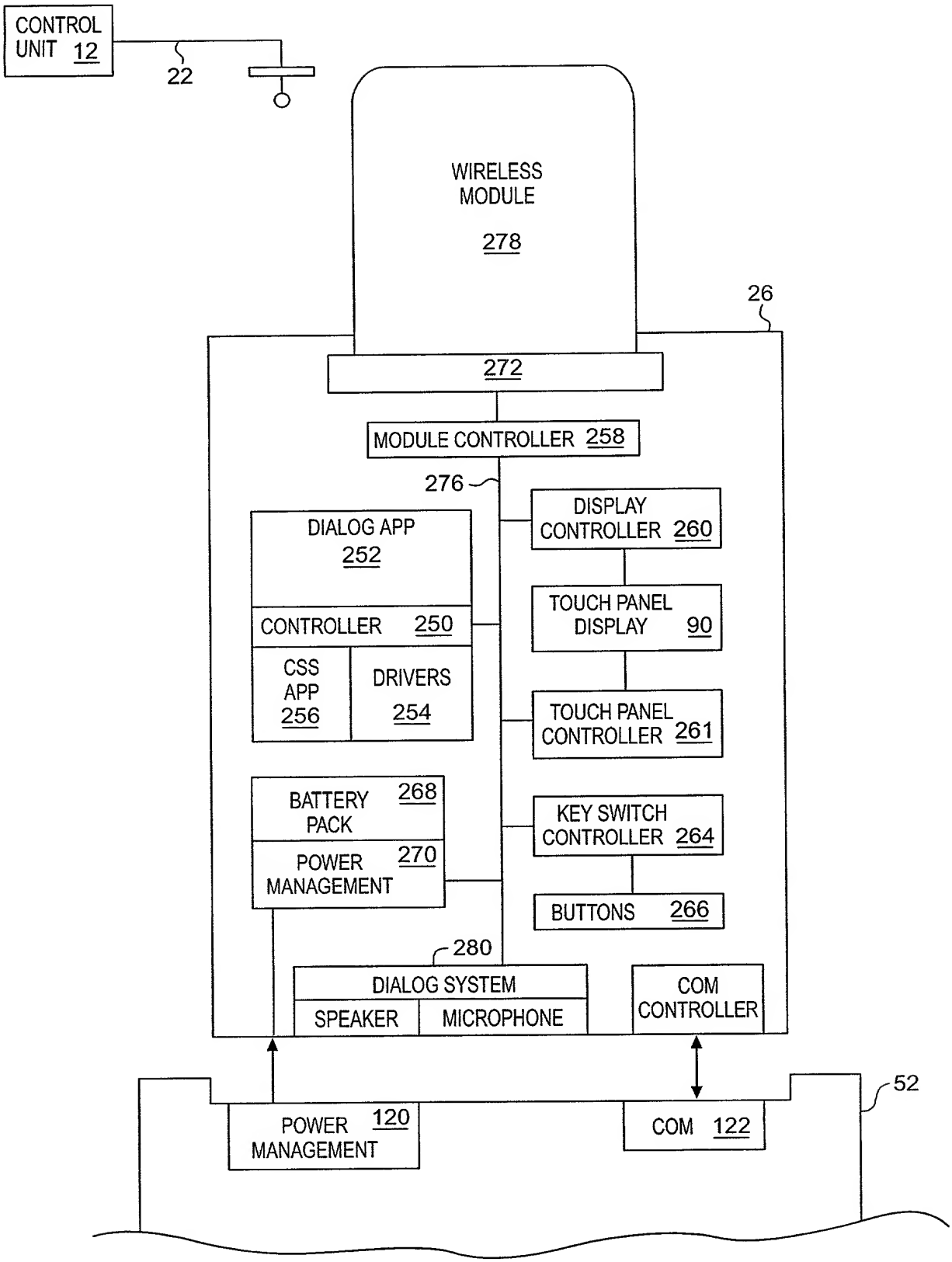


FIG. 10

START UP STATE - WAITING FOR EVENTS	
EVENTS	STEPS
OPEN SESSION REQUEST ON PREDETERMINED PORT	• ESTABLISH NEW LOCAL COMMUNICATION DEVICE STATE MACHINE • ESTABLISH SESSION • SEND LOGON CONTROL SCRIPTS • GET CSS INTERFACE CONFIGURATION • PROVIDE MAIN MENU DISPLAY CONTENT • PROVIDE MAIN MENU LAYOUT CONTROL • GO TO MAIN MENU STATE

300

FIG. 11A

MAIN MENU STATE - WAITING FOR EVENTS	
EVENTS	STEPS
MENU SELECTION	• GO TO SELECTED STATE
VOICE SESSION SIGNAL TO CSS	• COMPLETE AUDIO SESSION SIGNALING • SET UP AUDIO SESSION CHANNELS • GO TO AUDIO SESSION STATE
VOICE SESSION SIGNAL FROM CSS	
INITIALIZE SUBSCRIBER DEVICE	• SEND ID EXTRACTION CONTROL SCRIPTS • GET SUBSCRIBER DEVICE ID • PROVIDE INITIAL DISPLAY CONTENT • PROVIDE DISPLAY LAYOUT CONTROL • GO TO SUBSCRIBER DEVICE MAIN MENU STATE
HELP REQUEST	• SET UP AUDIO SESSION CHANNEL • SELECT HELP FILES • GO TO AUDIO HELP STATE

302
304
306
308
310

FIG. 11B

Apple Inc. EX1003 Page 1504 of 2684

	SUBSCRIBER DEVICE MAIN MENU STATE - WAITING FOR EVENTS	
	EVENTS	STEPS
312	MENU SELECTION	• GO TO SELECTED STATE
314	VOICE SESSION SIGNAL TO CSS	• COMPLETE AUDIO SESSION SIGNALING • SET UP AUDIO SESSION CHANNELS • GO TO AUDIO SESSION STATE
316	VOICE SESSION SIGNAL TO SD	
318	VOICE SESSION SIGNAL FROM CSS	
320	HELP REQUEST	• SETUP AUDIO AND VIDEO/GRAPHIC COMMUNICATION CHANNELS • SELECT HELP FILES • PROVIDE HELP MENU DISPLAY CONTENT • PROVIDE HELP MENU DISPLAY LAYOUT CONTROL • GO TO GRAPHIC HELP STATE
322	MESSAGE REQUEST	• GET MESSAGES FROM REMOTE SYSTEM • SORT MESSAGES BY TYPE • PROVIDE MESSAGE LIST CONTENT • PROVIDE MESSAGE LIST LAYOUT CONTROL • GO TO MESSAGE LIST STATE
324	AUDIO MESSAGE REQUEST	
326	SUBSCRIBER DEVICE REMOVE	• GO TO MAIN MENU STATE

FIG. 11C

	MESSAGE LIST STATE - WAITING FOR EVENTS	
	EVENTS	STEPS
328	VOICE SESSION SIGNAL TO CSS	• SET UP AUDIO SESSION CHANNELS • GO TO AUDIO SESSION STATE
330	VOICE SESSION SIGNAL TO SD	
332	VOICE SESSION SIGNAL FROM CSS	
334	AUDIO MESSAGE SELECT	• SET UP AUDIO SESSION CHANNEL TO CSS • START AUDIO CONTENT MESSAGE • GO TO AUDIO SESSION STATE
336	MESSAGE SELECT	• SETUP AUDIO AND VIDEO/GRAPHIC COMMUNICATION CHANNELS • SELECT HELP FILES • PROVIDE MESSAGE DISPLAY CONTENT • PROVIDE MESSAGE DISPLAY LAYOUT CONTROL • GO TO MESSAGE DISPLAY STATE
338	MESSAGE PRINT	• FORMAT MESSAGE CONTENT FOR PRINTER • SEND MESSAGE FILE TO PRINTER • GO TO MESSAGE LIST STATE
340	HELP REQUEST	• PROVIDE HELP MENU DISPLAY CONTENT • PROVIDE HELP MENU DISPLAY LAYOUT CONTROL • GO TO GRAPHIC HELP STATE
342	SUBSCRIBER DEVICE REMOVE	• GO TO MAIN MENU STATE

FIG. 11D

400

HELP STATE - WAITING FOR EVENTS	
EVENTS	STEPS
402 MENU SELECTION	• SETUP AUDIO AND VIDEO/GRAPHIC COMMUNICATION CHANNELS • SELECT HELP FILES • PROVIDE MESSAGE DISPLAY CONTENT • PROVIDE MESSAGE DISPLAY LAYOUT CONTROL
404 SECOND HELP REQUEST	• PROVIDE INSTRUCTION TO CSS TO INITIATE AUDIO SESSION TO HELP STATION

FIG. 11E

Apple Inc. Exhibit 1004

344	BASE STATE - WAITING FOR EVENTS	
	EVENTS	STEPS
350	AUDIO SESSION SIGNAL FROM CONTROLLER	• SET UP AUDIO SESSION CHANNELS • GO TO AUDIO SESSION STATE
352	AUDIO SESSION INITIATION BY SUBSCRIBER	
354	AUDIO SESSION INITIATION BY SD	
355	INSTRUCTION TO INITIATE AUDIO SESSION	
356	SUBSCRIBER INTERFACE CONTROL	• REPLAY CONTROL ACTIVATION TO CONTROL UNIT • GO TO BASE STATE
358	RECEIVE DISPLAY CONTENT AND RECEIVE DISPLAY LAYOUT CONTROL	• UPDATE DISPLAY • GO TO BASE STATE
360	RECEIVE PROCESSING SCRIPT	• PROCESS SCRIPT • GO TO BASE STATE
362	WAN TELEPHONE SIGNAL	• GO TO WAN STATE
364	DETECT SUBSCRIBER DEVICE	• SEND INITIALIZE SUBSCRIBER MESSAGE • GO TO BASE STATE

346	STARTUP STATE - WAITING FOR EVENTS	
	EVENTS	STEPS
366	NETWORK CONNECTION	• SESSION REQUEST TO CONTROL UNIT
368	RECEIVE LOGIN SCRIPT	• PROCESS LOGON SCRIPT • PROVIDE INTERFACE CONFIGURATION • GO TO BASE STATE

FIG. 12